


SYSTEM PARAMETERS			
RATED VOLTAGE	33 kV	11 kV	
MAXIMUM VOLTAGE	36 kV	12 kV	
RATED FREQUENCY	50 Hz	50 Hz	
RATED POWER FREQUENCY			
WITHSTAND VOLTAGE (1 MIN)	70 kV	28 kV	
RATED LIGHTNING IMPULSE WITHSTAND VOLTAGE (1.2/50 MICRO SEC)	170 KvP	75 KvP	
RATED SHORT BREAKING CURRENT	25 KA	25 KA	
RATED SHORT TIME WITHSTAND DURATION	3 Sec.	3 Sec.	
DRIVING MECHANISM OF CIRCUIT BREAKER	STORED ENERGY SPRING	STORED ENERGY SPRING	
DRIVING OPERATING SEQUENCE	0-0.3S-CO-3 MIN-CO	0-0.3S-CO-3 MIN-CO	

NOTE
1. ALL DIMENSIONS ARE IN MM UNLESS MENTIONED OTHERWISE.
2. NO DIMENSIONS ARE TO BE SCALED FROM THIS DRAWING.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
4. ALL DIMENSIONS MUST BE VERIFIED ON SITE BEFORE COMMENCING ANY WORK OR PREPARING ANY SHOP DRAWINGS. IN CASE OF ANY DISCREPANCY, THE SAME SHOULD BE BROUGHT TO THE NOTICE OF THE ARCHITECT & GOT CLARIFIED BEFORE EXECUTION OF WORK.
5. THIS DRAWING IS THE PROPERTY OF EGIS INDIA CONSULTING ENGINEERS PVT. LTD. AND MUST NOT BE PASSED TO ANY PERSON OR BODY NOT AUTHORIZED BY US TO RECEIVE IT. NOT BE COPIED OR OTHERWISE MADE USE EITHER IN FULL OR IN PART BY SUCH PERSON OR BODY WITHOUT OUR PRIOR PERMISSION IN WRITING.
6. RATINGS OF POWER TRANSFORMERS SHALL BE CONSIDERED BASED ON THE ACTUAL LOAD REQUIREMENT.
7. 33kV & 11kV GIS SWITCHBOARD SHALL BE FULLY COMPARTMENTALIZED ONE(1) SETS OF 3 PHASE VACUUM GAS / SOLID SILICON INSULATED BUS METAL ENCLOSURES FOR EACH SWITCHGEAR VERTICAL.
8. MAXIMUM DEMAND INDICATED ON SWITCHING STATION DISTRIBUTION SUBSTATION IS TENTATIVE ONLY.
9. POWER SUPPLY AT 33 KV & 11 KV VOLTAGE LEVEL SHALL BE TRANSMITTED TO HT CONSUMERS THROUGH 33 KV SWITCHING SUBSTATION AND 33 KV DISTRIBUTION SUBSTATIONS RESPECTIVELY. EACH 33 KV SWITCHING SUBSTATION SHALL BE CAPABLE OF TRANSMITTING MAXIMUM POWER OF 40 MVA AT EACH 33/11 KV DISTRIBUTION SUBSTATION SHALL BE CAPABLE OF TRANSMITTING MAXIMUM POWER OF 30 MVA.
10. ALL OUTGOING FEEDERS SHALL BE PLC/SCADA COMPATIBLE.

CLIENT 	<h1 style="margin: 0;">MAHARASHTRA INDUSTRIAL TOWNSHIP LTD (MITL)</h1>	
<h2 style="margin: 0;">PROJECT</h2>		
<p>DESIGN, CONSTRUCTION, TESTING, COMMISSIONING AND OPERATION & MAINTENANCE OF INFRASTRUCTURE WORKS AT DIGHI PORT INDUSTRIAL AREA (DPIA)- PHA 1 UNDER DIGHI MUMBAI INDUSTRIAL CORRIDOR (DMIC) ON EPC BASIS</p>		
<h2 style="margin: 0;">TITLE</h2>		
<h3 style="margin: 0;">SINGLE LINE DIAGRAM FOR 33/11 KV SUB STATION-11</h3>		
PROJECT CODE: DI1628	STATUS: ISSUED FOR TENDER	DATE: 24.07.2018
SHEET No: 01 of 01	SCALE: NTS	DWG SIZE: A1
DRAWING No:		REV No: R1
<h2 style="margin: 0;">MITL-DPIA-PKG1-EL-14</h2>		